Chapter 20: Organic Chemistry



Review Worksheet ANSWERS

Remember practice tests are available online at http://college.hmco.com/chemistry/general/zumdah/world-of-chem/le/students/ace/index.html (although we did not complete all of chapter 20 for this unit)

Organio Chemistry

- The study of carbon containing compounds and their chemistry is called *Organic Chemistry*
- Hydrocarbons that only contain single bonds are called *Alkanes*
- The chemical formula for an alkane with 20 carbons is $C_{20}H_{42}$
- 4) When one or more hydrogens in an alkane are replaced, this is an example of A substitution reaction
- 5) Hydrocarbons with triple bonds are called *Alkynes*
- When mixtures of hydrocarbons are separated, some compounds are released called *aromatic*
- *hydrocarbons* that contain benzene rings When an –OH is attached to a hydrocarbon this is an example of *alcohol*, a type of functional group
- When an C=O is attached to a hydrocarbon this is an example of ketone, a type of functional group
- 9) Name the alkane

10) What type of functional groups is each of the following?